

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/16/2020 04/16/2020	Corey Fujitani

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_4				
Comment Code					
Inspector Comment					
Merced County has a copy of the Operation and Maintenance Manual in their Office.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_5				
Comment Code					
Inspector Comment					
Merced Streams Group has emergency supplies and equipment on hand.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0013_01_f_2016_6				
Comment Code					
Inspector Comment					
Merced Streams Group are trained and prepared for Flood Fight.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.01	Rating **	U	Issue No.	2
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314819 °	37.337083 °
				-120.396382 °	-120.396560 °
DWR ID	DWR_NA0013_01_f_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control vegetation and remove thorny bushes growing at LM 1.45 to 1.61					

Photo 1 of 1 : SP\_2020\_NA0013\_331\_2\_20200504\_00015.jpg



Looking upstream along the waterside slope. (Spring 2020)

LM Start	0.02	Rating **	M	Issue No.	11
LM End	0.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.314942 °	37.314942 °
				-120.396394 °	-120.396394 °
DWR ID	DWR_NA0013_01_f _ 2018_11				
Comment Code					
DE : Debris					
Inspector Comment					
There is garbage on the waterside slope.					

Photo 1 of 1 : SP\_2020\_NA0013\_331\_11\_20200225\_00006.jpg



Debris and garbage on waterside slope. (Fall 2019)

LM Start	0.02	Rating **	U	Issue No.	7
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314966 °	37.320765 °
				-120.396398 °	-120.396617 °
DWR ID	DWR_NA0013_01_s_2020_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
end at olive ave					

Photo 1 of 1 : SP\_2020\_NA0013\_331\_7\_20200505\_00016.jpg



View of vegetation growing on the landside slope. (Spring 2020)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	17
LM End	0.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.315203 °	37.317259 °
				-120.396392 °	-120.396339 °
DWR ID	DWR_NA0013_01_s_2020_17				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.27	Rating **	M	Issue No.	8
LM End	1.62	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.318525 °	37.337176 °
				-120.396598 °	-120.396531 °
DWR ID	DWR_NA0013_01_s_2018_8				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Vehicle tracks and rutting on the crown should be repaired.					

Photo 1 of 1 : SP\_2020\_NA0013\_331\_8\_20200505\_00017.jpg



View of vehicle tracks on the levee crown. (Spring 2020)

LM Start	0.73	Rating **	M	Issue No.	19
LM End	0.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.325225 °	37.326231 °
				-120.396689 °	-120.396693 °
DWR ID	DWR_NA0013_01_s_2020_19				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.75	Rating **	A/W	Issue No.	14
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.325485 °	37.325485 °
				-120.396700 °	-120.396700 °
DWR ID	DWR_NA0013_01_s _ 2019_14				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_NA0013\_331\_14\_20200225\_00009.jpg



View of erosion on landside slope. (Spring 2019)

LM Start	0.97	Rating **	M	Issue No.	20
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.328695 °	37.332027 °
				-120.396691 °	-120.394754 °
DWR ID	DWR_NA0013_01_s _ 2020_20				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	1.23	Rating **	M	Issue No.	16
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.332005 °	37.332005 °
				-120.394751 °	-120.394751 °
DWR ID	DWR_NA0013_01_s _ 2019_16				
Comment Code					
Inspector Comment					
Gate has been removed.					

Photo 1 of 1 : SP\_2020\_NA0013\_331\_16\_20200225\_00010.jpg



View of barbed wire gate discarded on levee. (Spring 2019)

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U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.25	Rating **	U	Issue No.	21
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.332325 °	37.336558 °
				-120.394727 °	-120.396542 °
DWR ID	DWR_NA0013_01_s_2020_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_NA0013\_331\_21\_20200505\_00018.jpg



Control the vegetation on the landside shoulder. (Spring 2020)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.02	Rating **	U	Issue No.	21
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336989 °	37.328325 °
				-120.387733 °	-120.396070 °
DWR ID	DWR_NA0013_02_s _ 2020_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_NA0013\_332\_21\_20200505\_00046.jpg



Looking downstream along the landside slope. (Spring 2020)

LM Start	0.02	Rating **	U	Issue No.	23
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.336989 °	37.314609 °
				-120.387735 °	-120.395807 °
DWR ID	DWR_NA0013_02_s _ 2020_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_NA0013\_332\_23\_20200505\_00048.jpg



Maintain grass vegetation on the waterside slope. (Spring 2020)

**\* Location**  
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WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.29	Rating **	A/W	Issue No.	33	
LM End	0.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.336006 °	37.336006 °	
				-120.392011 °	-120.392011 °	
DWR ID	23053					
Comment Code						
Inspector Comment						
DS_ID:23053 FS_ID:50156 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.29)]. FS Date: 8/23/2016						

LM Start	<b>0.29</b>	Rating **	A/W	Issue No.	<b>33 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_50156\_35245.jpg



WS view: cobble spillway and channel on waterside.

Photo 2 of 3 : UCIP\_SP\_2020\_50156\_35244.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not closed. Vegetation needs to be cleared.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.29	Rating **	A/W	Issue No.	33 (cont)
LM End	0.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.336006 °	37.336006 °
				-120.392011 °	-120.392011 °
DWR ID	23053				

Photo 3 of 3 : UCIP\_SP\_2020\_50156\_35246.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

LM Start	0.37	Rating **	M	Issue No.	25
LM End	0.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.334977 °	37.331814 °
				-120.392491 °	-120.394198 °
DWR ID	DWR_NA0013_02_s_2020_25				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.54	Rating **	M	Issue No.	34	
LM End	0.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.333180 °		37.333180 °
				-120.394069 °		-120.394069 °
DWR ID	23054					
Comment Code						
Inspector Comment						
DS_ID:23054						
FS_ID:20946						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/17/2013 - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 9/17/2013						

Photo 1 of 3 : UCIP\_SP\_2020\_20946\_35266.jpg



WS view: cobble spillway and channel on waterside.

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2020\_20946\_35265.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not properly closed.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.333180 °	37.333180 °
				-120.394069 °	-120.394069 °
DWR ID	23054				

Photo 3 of 3 : UCIP\_SP\_2020\_20946\_35264.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

LM Start	0.63	Rating **	U	Issue No.	26
LM End	0.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331814 °	37.329210 °
				-120.394198 °	-120.396032 °
DWR ID	DWR_NA0013_02_s_2020_26				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.74	Rating **	M	Issue No.	35	
LM End	0.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.330525 °	37.330525 °	
				-120.395132 °	-120.395132 °	
DWR ID	23055					
Comment Code						
Inspector Comment						
DS_ID:23055						
FS_ID:20992						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/17/2013 - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of inlet pipe buried. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.73)].						
FS Date: 9/17/2013						

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_20992\_35370.jpg



WS view: concrete headwall and CM pipe buried under debris and mud.

Photo 2 of 3 : UCIP\_SP\_2020\_20992\_35369.jpg



WS view: debris and mud deposited from the channel cleaning. It needs to be cleared from spillway and outlet structure.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.74	Rating **	M	Issue No.	35 (cont)
LM End	0.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.330525 °	37.330525 °
				-120.395132 °	-120.395132 °
DWR ID	23055				

Photo 3 of 3 : UCIP\_SP\_2020\_20992\_35366.jpg



LS view: concrete headwall and CM pipe. Half of inlet pipe buried.

LM Start	0.75	Rating **	M	Issue No.	22
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.330340 °	37.330340 °
				-120.395288 °	-120.395288 °
DWR ID	DWR_NA0013_02_f_2018_22				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is a vehicle track on the landside slope.					

No Photos

LM Start	0.78	Rating **	M	Issue No.	27
LM End	0.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.329952 °	37.329789 °
				-120.395588 °	-120.395720 °
DWR ID	DWR_NA0013_02_s_2020_27				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.90	Rating **	A/W	Issue No.	36
LM End	0.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328283 °	37.328283 °
				-120.396074 °	-120.396074 °
DWR ID	23056				
Comment Code					
Inspector Comment					
DS_ID:23056					
FS_ID:20965					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 09/17/2013 - working during field inspection. -					
vegetation on drainage ditch/channel (DWR UCIP - P. Amatya)					
FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity					
drainage pipe through the levee, 10 feet below the crown. Concrete					
headwall and flap gate on the waterside (WS) berm, 5 feet from the					
levee toe. Concrete headwall on the landside (LS) toe. [Additional					
Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M					
Manual 607, June 1962, (HLM 0.91)].					
FS Date: 9/17/2013					

LM Start	<b>0.90</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_20965\_35292.jpg



WS view: two 60" CMPs, flap gates, and headwall on channel bank.

Photo 2 of 3 : UCIP\_SP\_2020\_20965\_35291.jpg



LS view: headwall on levee toe. Green vegetation in drainage channel.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.91	Rating **	A/W	Issue No.	37 (cont)
LM End	0.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328267 °	37.328267 °
				-120.396084 °	-120.396084 °
DWR ID	23080				

Photo 2 of 3 : UCIP\_SP\_2020\_20983\_35301.jpg



LS view: U typed concrete headwall, two CMPs in drainage ditch. Dense vegetation in drainage ditch.

LM Start	<b>0.91</b>	Rating **	A/W	Issue No.	<b>37 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_20983\_35300.jpg



LS view: concrete headwall in drainage ditch. Dense vegetation in drainage ditch.

LM Start	0.97	Erosion **	M	Issue No.	15
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.327336 °	37.327336 °
				-120.396085 °	-120.396085 °
DWR ID	DWR_NA0013_02_f_2017_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is large finger erosion on the landward slope. Couple of smaller erosion sites are starting just downstream of the larger erosion.					

Photo 1 of 1 : SP\_2020\_NA0013\_332\_15\_20200505\_00049.jpg



Looking at finger erosion on the landside slope. (Spring 2020)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.30	Rating **	M	Issue No.	18
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.322518 °	37.314652 °
				-120.396042 °	-120.395827 °
DWR ID	DWR_NA0013_02_f_2017_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is rodent activity on the landside slope.					

Photo 1 of 1 : SP\_2020\_NA0013\_332\_18\_20200225\_00015.jpg



View of rodent activity on the landside slope.

LM Start	1.30	Rating **	A/W	Issue No.	38	
LM End	1.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.322499 °		37.322499 °
				-120.396045 °		-120.396045 °
DWR ID	23057					
Comment Code						
Inspector Comment						
DS_ID:23057						
FS_ID:20984						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 09/17/2013 - working during field inspection. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.32)].						
FS Date: 9/17/2013						

Photo 1 of 3 : UCIP\_SP\_2020\_20984\_35305.jpg



WS view: U type concrete headwall and channel on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>1.30</b>	Rating **	A/W	Issue No.	<b>38 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.322499 °	37.322499 °	
			-120.396045 °	-120.396045 °	
DWR ID	23057				

Photo 2 of 3 : UCIP\_SP\_2020\_20984\_35304.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. It was working during field inspection.

LM Start	<b>1.30</b>	Rating **	A/W	Issue No.	<b>38 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_20984\_35303.jpg



LS view: concrete headwall on levee toe and drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.62	Rating **	M	Issue No.	39
LM End	1.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.318015 °	37.318015 °
				-120.395738 °	-120.395738 °
DWR ID	23058				
Comment Code					
Inspector Comment					
DS_ID:23058 FS_ID:42993 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/17/2013 - needs cleaning of debris on spillway on WS. Flapgate blocked by debris on WS. - needs cleaning inside CMP on LS. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.64)]. FS Date: 9/17/2013					

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_42993\_35310.jpg



WS view: overview of outlet area and channel. Debris and vegetations on spillway.

Photo 2 of 3 : UCIP\_SP\_2020\_42993\_35309.jpg



WS view: U typed concrete headwall, CM pipe and flap gate. Vegetation and debris need to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Merced Streams Group

Looking downstream along the levee crown. (Spring 2020)

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	17
LM End	0.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257654 °	37.262387 °
				-120.288501 °	-120.288304 °
DWR ID	DWR_NA0013_03_s_2020_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_NA0013\_333\_17\_20200505\_00031.jpg



Keep the levee crown free of vegetation. (Spring 2020)

LM Start	0.00	Rating **	U	Issue No.	15
LM End	0.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257654 °	37.262388 °
				-120.288501 °	-120.288304 °
DWR ID	DWR_NA0013_03_s_2020_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
to the start					

Photo 1 of 1 : SP\_2020\_NA0013\_333\_15\_20200505\_00032.jpg



View of vegetation on the waterside slope. (Spring 2020)

LM Start	0.00	Rating **	U	Issue No.	14
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257654 °	37.262390 °
				-120.288501 °	-120.288307 °
DWR ID	DWR_NA0013_03_s_2020_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
to the start					

Photo 1 of 1 : SP\_2020\_NA0013\_333\_14\_20200505\_00033.jpg



Looking downstream along the landside slope. (Spring 2020)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.04	Rating **	M	Issue No.	11
LM End	1.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.258235 °	37.272856 °
				-120.288435 °	-120.280294 °
DWR ID	DWR_NA0013_03_s_2018_11				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Spray herbicide and add gravel to improve all weather surface.					

No Photos

LM Start	0.19	Rating **	M	Issue No.	18	
LM End	0.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.260355 °		37.260355 °
				-120.288517 °		-120.288517 °
DWR ID	23060					
Comment Code						
Inspector Comment						
DS_ID:23060						
FS_ID:41815						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/17/2013 - more than a half of inet pipe burried on						
LS. - needs vegetation cleaning on both sides.- inlet needs silt						
removed and cleaning. (DWR UCIP - P. Amaty)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage						
pipe through the levee, 6 feet below the crown. Concrete headwall, flap						
gate, and concrete grouted cobble spillway on the waterside (WS) toe.						
Concrete headwall on the landside (LS) toe. [Additional Reference(s):						
DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June						
1962, (HLM 0.18)].						
FS Date: 9/17/2013						

Photo 1 of 3 : UCIP\_SP\_2020\_41815\_35533.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.19</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>0.19</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260355 °	37.260355 °
				-120.288517 °	-120.288517 °
DWR ID	23060				

Photo 2 of 3 : UCIP\_SP\_2020\_41815\_35532.jpg



WS view: Silt needs to be removed. Vegetations needs to be cleared.

LM Start	<b>0.19</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>0.19</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_41815\_35531.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning and silt removed.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.39	Rating **	A/W	Issue No.	19
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263182 °	37.263182 °
				-120.288239 °	-120.288239 °
DWR ID	23061				
Comment Code					
Inspector Comment					
DS_ID:23061 FS_ID:50144 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013:Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to be abandoned properly. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.40)]. FS Date: 9/1/2016					

LM Start	<b>0.39</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_50144\_35422.jpg



WS view: U typed concrete headwall, cobble spillway, and channel on waterside.

Photo 2 of 3 : UCIP\_SP\_2020\_50144\_35421.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Damaged flap gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.39</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.263182 °	37.263182 °	
			-120.288239 °	-120.288239 °	
DWR ID	23061				

Photo 3 of 3 : UCIP\_SP\_2020\_50144\_35420.jpg



LS view: Debris dumped on inlet structure. Needs to be cleared or abandoned properly.

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>20</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.265894 °	37.265894 °	
			-120.288295 °	-120.288295 °	
DWR ID	23062				

**Comment Code**

**Inspector Comment**

DS\_ID:23062  
 FS\_ID:50149  
 EP\_NO: N/A  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments: 09/29/2016: LS and WS ends have been cleared by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- needs clearing and cleaning on inlet and outlet. (P. Amatya - UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.59), referenced as 10 feet below the crown].  
 FS Date: 9/7/2016

Photo 1 of 3 : UCIP\_SP\_2020\_50149\_35535.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265894 °	37.265894 °
				-120.288295 °	-120.288295 °
DWR ID	23062				

Photo 2 of 3 : UCIP\_SP\_2020\_50149\_35534.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

LM Start	<b>0.58</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_50149\_35537.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.79	Rating **	A/W	Issue No.	21	
LM End	0.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.268420 °	37.268420 °	
				-120.286231 °	-120.286231 °	
DWR ID	23063					
Comment Code						
Inspector Comment						
DS_ID:23063 FS_ID:50151 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)09/2013: Needs vegetation clearing on WS. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.80), referenced as 10 feet below the crown]. FS Date: 9/7/2016						

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_50151\_35539.jpg



WS view: overview of spillway/outlet area on waterside.

Photo 2 of 3 : UCIP\_SP\_2020\_50151\_35538.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID	23063				

Photo 3 of 3 : UCIP\_SP\_2020\_50151\_35541.jpg



LS view: concrete headwall and CM pipe.

LM Start	0.99	Rating **	U	Issue No.	9
LM End	0.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.270874 °	37.270874 °
				-120.284058 °	-120.284058 °
DWR ID	DWR_NA0013_03_f_2017_9				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair rutted crossing over storm drain, restore grade and add gravel.					

Photo 1 of 1 : SP\_2020\_NA0013\_333\_9\_20200225\_00001.jpg



View of rutted levee crown looking upstream. (Fall 2019)

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.02	Rating **	M	Issue No.	22	
LM End	1.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.271111 °	37.271111 °	
				-120.283786 °	-120.283786 °	
DWR ID	23064					
Comment Code						
Inspector Comment						
DS_ID:23064 FS_ID:50152 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS outlet has been cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS. (K. Fazel - UCIP)09/2013:- vegetations need to be removed from spillway and outlet at flapgate (blocked). It needs clearing.- more than half of intet pipe was burried in inlet. It needs cleaning & clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.04), O&M Manual reads "HLM 0.04" by mistake]. FS Date: 9/7/2016						

Photo 1 of 3 : UCIP\_SP\_2020\_50152\_35544.jpg



WS view: cobble spillway and channel on waterside.

LM Start	1.02	Rating **	M	Issue No.	22 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2020\_50152\_35543.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271111 °	37.271111 °
				-120.283786 °	-120.283786 °
DWR ID	23064				

Photo 3 of 3 : UCIP\_SP\_2020\_50152\_35542.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing &amp;

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272193 °	37.272193 °
				-120.281805 °	-120.281805 °
DWR ID	23065				

**Comment Code**

**Inspector Comment**

DS\_ID:23065  
 FS\_ID:21063  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 09/17/2013 - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside (DWR UCIP - P. Amatya).  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.17)].  
 FS Date: 9/17/2013

Photo 1 of 3 : UCIP\_SP\_2020\_21063\_35502.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate buried under mud/debris.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272193 °	37.272193 °
				-120.281805 °	-120.281805 °
DWR ID	23065				

Photo 2 of 3 : UCIP\_SP\_2020\_21063\_35501.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_21063\_35500.jpg



LS view: closer view of CM pipe. Inlet needs cleaning &amp; clearing.

LM Start	1.21	Rating **	M	Issue No.	7
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272539 °	37.272927 °
				-120.280836 °	-120.280302 °
DWR ID	DWR_NA0013_03_f_2016_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Control the rodents along the landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.25	Rating **	C	Issue No.	16
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.272801 °	37.272801 °
				-120.280304 °	-120.280304 °
DWR ID	DWR_NA0013_03_f_2018_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.27	Rating **	M	Issue No.	24	
LM End	1.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.273082 °		37.273082 °
				-120.280288 °		-120.280288 °
DWR ID	23066					
Comment Code						
Inspector Comment						
DS_ID:23066						
FS_ID:21064						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/17/2013 - needs clearing and cleaning of						
vegetations on both ends of the pipe.- needs clearing and cleaning of						
silt deposited inside of the pipe. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage						
pipe through the levee, 4 feet below the crown. Concrete headwall, flap						
gate, and concrete grouted cobble spillway on the waterside (WS) toe.						
Concrete headwall on the landside (LS) toe. [Additional Reference(s):						
DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June						
1962, (HLM 1.29)].						
FS Date: 9/17/2013						

Photo 1 of 3 : UCIP\_SP\_2020\_21064\_35506.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope and spillway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273082 °	37.273082 °
				-120.280288 °	-120.280288 °
DWR ID	23066				

Photo 2 of 3 : UCIP\_SP\_2020\_21064\_35505.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_21064\_35504.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.11	Rating **	M	Issue No.	18	
LM End	0.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.273295 °	37.273295 °	
				-120.279673 °	-120.279673 °	
DWR ID	23068					
Comment Code						
Inspector Comment						
DS_ID:23068						
FS_ID:42991						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/17/2013 - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. (DWR UCIP - P. Amatya)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.10)].						
FS Date: 9/17/2013						

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_42991\_35751.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP\_SP\_2020\_42991\_35750.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation and silt need to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID	23068				

Photo 3 of 3 : UCIP\_SP\_2020\_42991\_35749.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272437 °	37.272437 °
				-120.280260 °	-120.280260 °
DWR ID	23069				

**Comment Code**

**Inspector Comment**

DS\_ID:23069  
FS\_ID:50146  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya - UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.17)].  
FS Date: 9/7/2016

Photo 1 of 3 : UCIP\_SP\_2020\_50146\_35748.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272437 °	37.272437 °
				-120.280260 °	-120.280260 °
DWR ID	23069				

Photo 2 of 3 : UCIP\_SP\_2020\_50146\_35747.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_50146\_35746.jpg



LS view: inside view of CM pipe. Inlet pipe needs clearing.

LM Start	0.19	Rating **	C	Issue No.	10
LM End	0.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272373 °	37.267383 °
				-120.280392 °	-120.286598 °
DWR ID	DWR_NA0013_04_f_2016_10				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes were observed and the density of the holes vary along this section.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.32	Rating **	M	Issue No.	20	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.271495 °	37.271495 °	
				-120.282452 °	-120.282452 °	
DWR ID	23070					
Comment Code						
Inspector Comment						
DS_ID:23070 FS_ID:50154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.31)]. FS Date: 9/7/2016						

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_50154\_35608.jpg



WS view: Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP\_SP\_2020\_50154\_35607.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.32	Rating **	M	Issue No.	20 (cont)
LM End	0.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271495 °	37.271495 °
				-120.282452 °	-120.282452 °
DWR ID	23070				

Photo 3 of 3 : UCIP\_SP\_2020\_50154\_35606.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

LM Start	0.45	Rating **	A/W	Issue No.	21
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.270318 °	37.270318 °
				-120.284222 °	-120.284222 °
DWR ID	23071				

#### Comment Code

#### Inspector Comment

DS\_ID:23071  
 FS\_ID:50148  
 EP\_NO: N/A  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments: 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazal - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.45)].  
 FS Date: 9/7/2016

Photo 1 of 3 : UCIP\_SP\_2020\_50148\_35613.jpg



WS view: Dense vegetation on levee slope and spillway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.45</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.270318 °	37.270318 °
				-120.284222 °	-120.284222 °
DWR ID	23071				

Photo 2 of 3 : UCIP\_SP\_2020\_50148\_35612.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

LM Start	<b>0.45</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_50148\_35611.jpg



LS view: concrete headwall and CM pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	0.58	Rating **	M	Issue No.	22
LM End	0.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID	23072				
Comment Code					
Inspector Comment					
DS_ID:23072 FS_ID:50155 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.58)]. FS Date: 9/7/2016					

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_50155\_35642.jpg



WS view: Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP\_SP\_2020\_50155\_35641.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Merced Streams Group

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID	23072				

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID	23073				

DS\_ID:23073  
FS\_ID:21126  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/17/2013 - needs vegetation clearing on  
waterside.- concrete spillway on waterside.- the drainage was  
working during field survey. (DWR UCIP - P. Amatya)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage  
pipe through the levee, 6 feet below the crown. Concrete headwall, flap  
gate, and concrete grouted cobble spillway on the waterside (WS) toe.  
Concrete headwall on the landside (LS) toe. [Additional Reference(s):  
DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June  
1962, (HLM 0.82)].  
FS Date: 9/17/2013

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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID	23073				

Photo 2 of 3 : UCIP\_SP\_2020\_21126\_35651.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_21126\_35654.jpg



LS view: concrete headwall and CM pipe. Drain pipe was working during field survey.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.01	Rating **	A/W	Issue No.	24	
LM End	1.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.263139 °		37.263139 °
				-120.287799 °		-120.287799 °
DWR ID	23074					
Comment Code						
Inspector Comment						
DS_ID:23074 FS_ID:21127 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/17/2013 - concrete spillway on waterside.- drainage was working during field survey (DWR UCIP - P. Amatya). FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.02)]. FS Date: 9/17/2013						

LM Start	<b>1.01</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2020\_21127\_35657.jpg



WS view: U typed concrete headwall and channel on waterside.

Photo 2 of 3 : UCIP\_SP\_2020\_21127\_35656.jpg



WS view: concrete headwall and concrete spillway on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.01	Rating **	A/W	Issue No.	24 (cont)
LM End	1.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263139 °	37.263139 °
				-120.287799 °	-120.287799 °
DWR ID	23074				

Photo 3 of 3 : UCIP\_SP\_2020\_21127\_35655.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Drainage was working during survey.

LM Start	1.08	Rating **	M	Issue No.	25
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID	23075				

**Comment Code**

**Inspector Comment**

DS\_ID:23075  
FS\_ID:52888  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/17/2013 - needs clearing on both inlet and outlet.

- needs vegetations clearing on spillway on waterside and inlet on landside. (DWR UCIP - P. Amatya)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.10)].  
FS Date: 9/17/2013

Photo 1 of 3 : UCIP\_SP\_2020\_52888\_35709.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID	23075				

Photo 2 of 3 : UCIP\_SP\_2020\_52888\_35708.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Spillway needs to be cleared.

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_52888\_35707.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

LM Start	1.08	Rating **	M	Issue No.	17
LM End	1.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.262167 °	37.260323 °
				-120.288150 °	-120.288151 °
DWR ID	DWR_NA0013_04_s_2020_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.08	Rating **	U	Issue No.	13
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.262167 °	37.257437 °
				-120.288150 °	-120.288184 °
DWR ID	DWR_NA0013_04_s_2020_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2020\_NA0013\_334\_13\_20200505\_00034.jpg



View of vegetation growing along the landside slope. (Spring 2020)

LM Start	1.21	Rating **	A/W	Issue No.	26
LM End	1.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260250 °	37.260250 °
				-120.288141 °	-120.288141 °
DWR ID	23076				
Comment Code					
Inspector Comment					
DS_ID:23076 FS_ID:50153 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/01/2016: Per Mike Walejko, WS outlet has been cleared. See photos. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/23/2016: LS inlet is clear. WS outlet is still buried. Cracks on crown characteristic of entire left bank and not associated with the crossing at this location. (K. Fazel - UCIP)09/17/2013:- significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe burried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe burried. Needs clearing and removal of vegetations and silts. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.24)]. FS Date: 9/1/2016					

Photo 1 of 3 : UCIP\_SP\_2020\_50153\_35745.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Dirt and vegetations need to be removed and cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	04/16/2020 04/16/2020	Corey Fujitani

LM Start	1.21	Rating **	A/W	Issue No.	26 (cont)
LM End	1.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260250 °	37.260250 °
				-120.288141 °	-120.288141 °
DWR ID	23076				

Photo 2 of 3 : UCIP\_SP\_2020\_50153\_35744.jpg



WS view: significant levee cracks along the pipealignment. Needs detailed investigation on the issue.

LM Start	1.21	Rating **	A/W	Issue No.	26 (cont)
LM End	1.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2020\_50153\_35743.jpg



LS view: concrete headwall and burried CM pipe. Dirt removal and clearing needed in inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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